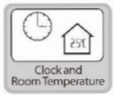
Multi-Function
Infrared thermometer

PC808

User's Manual



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Ver1.0
2013-8-12

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CONTENTS

1. Package components..... 1
2. Important advice..... 1
3. Product description..... 2
4. Symbols description..... 3
5. Suggestions before temperature taking..... 4
6. Setting..... 6
7. Temperature measurement..... 7
8. Repacing the battery..... 8
9. Care and Cleaning..... 8
10. Product specifications..... 9
11. Troublesshooting..... 10

Dear Customer
Thank you for buying our multifunction infrared thermometer, This manual contains extra information to achieve accurate temperature measurements. Please read and understand all instructions, and follow all the advices before using this product. Keep this manual handy for future reference.

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1. Package components

1pc Multi–function infrared thermometer
1pc User's manual
1pc Base
1pc CR2032 battery

2. Important advice

2.1 Do not use this thermometer under extreme temperatures (below 15℃ /59℉ or over40℃/104℉) or humidity extremes (below 20%RH or over 85%RH).Failing to do so may cause inaccuracy.
2.2 Do not expose this thermometer to temperature extremes (below –15℃/–5℉ or over 55℃/131℉) or humidity extremes (below 20%RH or over 95%RH). Failing to do so may cause inaccuracy.
2.3 Temperature probe has been knocked or deregulated. The thermometer should not be used before recalibration.
2.4 Do not rely on temperature measurements alone. If you have health concerns, seek medical advice..
2.5 Don't tonch or blow at infrared sensor. A polluted or broken infrared sensor may cause inaccuracy.
2.6 For temperature difference between storage area and measurement ambient, condition the thermometer for about 30minutes in ambient temperature. Failing to do so may cause inaccuracy.
2.7 Stop using the product should any pain occur. It is likely to damage the auditory canal.
2.8 It is not recommended for use the thermometer by people suffering with ear disease including external otitis and tympanitis. Affected part is likely to worsen.
2.9 Don't use the product if ear is wet after swimming or bathing or other. It may damage the auditory canal.
2.10 Don't throw batteries into fire. Battery is likely to explode in fire. Please respect relevant waste disposal laws.
2.11 Don't use the product for other purposes.
2.12 It is not a waterproof device. Clean gently only with damp cloth.
2.13 It is forbidden to leave this thermometer exposed to any chemical solvent, direct sunshine or high temperature.
2.14 Don't drop, tramp or impose any vibration or impact on the product.
2.15 Don't use a mobile phone nearby when the thermometer is working.
2.16 Remove the battery if not in use for a long period.

3. Product description

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4. Symbols description

	Measuring in progress
	Ear temperature mode
	Forehead temperature mode
	Fever
	Celsius scale
	Fahrenheit scale
	Clock
	Low battery
	Memory of last effective body temperature

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5. Suggestions before temperature taking

5.1 Replace any low–voltage battery to ensure full power supply.

5.2 For proper measurement, leave the thermometer for 30 minutes in measurement location.

5.3 An unexpected fluctuation of ambient temperature is likely to affect measurement accuracy. When a measurement site temperature varies with the thermometer location, or taking a temperature measurement in front of an air conditioner, precise results will not be possible.

5.4 Be sure to keep ear clean from cerium deposits and other blockage as this can cause inaccuracy.

5.5 Measurement should be taken at rest time to ensure an accurate result. Temperature is likely to increase immediately after exercise or bathing.

5.6 The right ear reading may differ from the reading taken at the left ear. Therefore, always take the temperature in the same ear. The ear must be free from obstructions, or excess ear wax build–up, to take an accurate reading. In case of otitis, please use the Forehead mode.

5.7 In case of ear treatments (prescribed ear drops, or other inner ear treatments) please do not take a temperature from the treated ear. The ear canal being treated, the temperature reading by this thermometer will not reflect a precise body temperature.

5.8 For unskilled users, it is recommended for the first time to measure the same ear 3 times. The maximum reading shall be recorded in case of different results since any thermometer undergoing a continuous operation is deemed to see a slight error of (+/– 0.3℃, +/– 0.5℉).

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5.9 AN IMPORTANT CONCEPT: THE ESTIMATION OF THE BODY TEMPERATURE

5.9.1 The normal value of the body temperature is a range and not fixed on an invariable value. The following table1 shows that ranges of normal also vary by site. Therefore, readings from different sites, even if taken at the same time, should not be directly compared.

Table 1 Different temperature depends on different site

Axillary	34.7 - 37.3 °C	94.5 - 99.1 °F
Oral	35.5 - 37.5 °C	95.9 - 99.5 °F
Rectal	36.6 - 38.0 °C	97.9 - 100.4 °F
Ear	35.8 - 38.0°C	96.5 - 100.4°F
Forehead	35.8 - 37.8°C	96.5 - 100 °F

5.9.2 Also, People' s normal temperature range tends to decrease with age. The following Table2 shows normal ranges by age.

Table 2 Different temperature depends on age

0-2 years	36.4-38.0°C	97.5-100.4°F
3-10 years	36.1-37.8°C	97.0-100.0°F
11-65 years	35.9-37.6 °C	96.6-99.7°F
> 65 years	35.8-37.5°C	96.4-99.5°F

Information from: Chamberlain, J.M., et al., Determination of Normal Ear Temperature with an Infrared Emission Detection Thermometer, Annals of Emergency Medicine, January 1995. "

5.9.3 However, the range of normal also varies from person to person and fluctuates throughout the day. It is therefore important to determine your and your family members' normal temperature ranges. You should measure the temperature on yourself and healthy family members at different times during 3 or 4 days. After mastering the temperature range of your family, record them and compare them with the temperature when feverish in the future.

6. Setting

If you need to set the functions, power on the device, open the battery cover, please refer to the following list:

Setting code	Function	Operation
F–1	Select ℃/℉ scale	Turn on the thermometer, Press SET button, the LCD will display F–1 , after about 1 second ℃or℉ flashing, press POWER/SCAN button to select ℃ or ℉,then press SET button to confirm selection.
F–2	Select Body/Surface temperature taking	Press SET button ,the LCD will display F–1, press SET button again, enter into F–2,press POWER/SCAN button to select BODY or FACE(surface), press SET button to confirm selection.
F–3	Set time	Press SET button 3 times, the LCD will display F–3, press POWER/SCAN button to adjust hour number(hour number flashing), press SET button to confirm the hour number, then press POWER/SCAN button again to adjust minute number, press SET button to confirm the minute number.
F–4	Set temperature offset	Press SET button 4 times to enter into F–4, press POWER/SCAN button to adjust the the offset values if needed, the range is –3℃ to +3℃.
F–5	Set the value of orange backlight	Press SET button 5 times to enter into F–5, press POWER/SCAN button to adjust the value, then press SET button to confirm, the system default value is 37.5℃,the user defined range is 37.5℃ to 42.0℃.
F–6	Set the value of red backlight	Press SET button 6 times to enter into F–6, press POWER/SCAN button to adjust the value, the press SET button to confirm, the system default value is 38.0℃, the user defined range is 37.5℃ to 42.0℃.

7. Temperature measurement

7.1 Forehead temperature taking

Make sure the device is in the BODY temperature taking mode. Please refer to "6 Setting" .

Turn on the device, put on the probe cover and LCD display "☺" ,place the probe onto the forehead, keep pressing the POWER/SCAN button, the gently move the probe towards another side of the forehead, be sure the probe in touch with the surface of the forehead, release the button, you will hear a beep sound, the reading displays on the screen.

7.2 Ear Temperature taking

Turn on the device, remove the probe cover from the thermometer, the LCD display " " , insert the probe along the eardrum as deep as possible into the ear, then press POWER/SCAN button to start the measurement and you will hear a beep sound upon completion. The result appears on the LCD screen.

7.3 Object temperature taking

Make sure the device is in FACE mode.

Place the probe near an object within 1cm, press POWER/SCAN button and keep it pressed down, scan the object for about 2 seconds, release the POWER/SCAN button, you will hear a beep sound upon completion. The result appears on the LCD screen.

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8. Repacing the battery

When there is low power, the icon " " will appear on the screen, please replace the battery. Open the battery cover and take out the old one. Put a new CR2032 on with '+' pole upward into the battery seat. Put the battery cover back to the device.(Refer to figxx)

Note: To deal with the old battery and the whole thermometer, please comply with the local laws and regulations.

9. Care and Cleaning

9.1 The probe tip is the most delicate part of the thermometer. It has to be clean and intact to ensure accurate readings.Hold the appliance with the probe tip facing down to prevent liquid from entering the probe tip area, very gently wipe the surface with a cotton swab or soft cloth moistened with alcohol.

9.2 Use a soft, dry cloth to clean the thermometer display and exterior.

9.3 Do not use abrasive cleaners, Never submerge the thermometer in water or any other liquid.

9.4 Store the thermometer in a dry location free from dust and contamination and away from direct sunlight.

9.5 Always keep cleaning solutions and rubbing alcohol away from children.

9.6 Always keep the thermometer out of reach of children.

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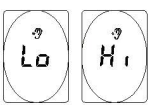
10. Product specifications

Product Name	Multi–Function Infrared Thermometer
Model	PC808
Precision	Body Temp. ±0.2℃ 35.5–42.0℃ (±0.4℉ 95.9–107.6℉) ±0.3℃ Below 35.5℃ or Over 42.0℃ (±0.5℉ Below 95.9℉ or Over 107.6℉) Surface Temp. ±1.0℃ 0.0–100.0℃ (±1.8℉ 32.0–150℉) Ambient Temp. ±1.0℃ 0.0–100.0℃ (±1.8℉ 32.0–150℉)
Resolution	0.1℃/0.1℉
Operating ambient temperature range	15℃ – 40℃ (59.0 –104.0℉)
Storage condition Temperature	–25– +55℃(–13–131℉) Humidity rate 20% HR~85%HR
Classification	IIa (MDD Annex IX, rule10
Battery	DC3.0V 1pc CR2032
Dimension	113*34*25MM
Weight	55g (with battery)
Temperature display	℃/℉
Power consumption	When off below 5uA, Approx.800 times reading
Ambient temperature display range	5.0℃ – 42.9℃(41–109.2℉)
Refence criterias	1–EN12470–5:2003; 2–ASTM E 1965–98; 3–IEC/EN 60601–1(Safety); 4–IEC/EN 60601–1–2(EMC); 5–ISO 14971:2000(Risk Analysis)

11. Troublesshooting

Troubles	Situation	Solution
No response	Battery used up?	Replace a new one
	Battery in wrong polarity?	Adjust battery to proper polarity
	displayed for reading below 32.0°C / 89.6°F or above 42.9°C / 109.2°F	Make sure the probe is clean and take a new temperature
	Ambient temperature too low or too high	Allow the thermometer to remain in a room for 30 minutes where the temperature is range from 15-40°C(59.0 -104.0°F)

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